



DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

1 JUN 2001

CECW-ET (1110)

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Sustainable Design and Development (SDD)

1. Reference: Memorandum, DAIM-FD, dated 04 May 2001, subject: Sustainable Project Rating Tool (SPiRiT)
2. Reference memorandum from Assistant Chief of Staff for Installation Management (ACSIM) requires Army activities to use (SPiRiT) as a self-assessment tool to evaluate sustainability of all facility construction and repair projects. Army has established an initial goal of achieving SPiRiT Bronze level.
3. SPiRiT was developed by ERDC-CERL for HQUSACE and OACSIM to measure sustainability features of our designs. It incorporates valuable features from many commercial rating tools and enhances them by adding rating factors more germane to military facilities. Our ETL 1110-3-491, sustainable Design for Military Facilities has been revised to incorporate SPiRiT and is posted at <http://www.usace.army.mil/inet/usace-docs/eng-tech-ltrs/etl1110-3-491/toc.htm>
4. HQUSACE staff has conducted workshops at the Military Districts to train our personnel in concepts and principles of SDD and in using SPiRiT to score our designs. For more information on SDD visit www.cecer.army.mil/sustdesign and <http://www.hqda.army.mil/acsimweb/fd/linksSDD.htm>
5. USACE has made a corporate decision to instill principles of SDD in all our activities. USACE became a member of U.S. Green Building Council (USGBC) and is actively participating in development of future tools to benchmark our designs. Recent Executive Orders, DoD and DA policy, require us to adopt principles of SDD and most importantly, it is the right thing to do. It will provide better working and living facilities for our soldiers and civilians.
6. Effective immediately, all of our new designs for military facilities shall strive to achieve SPiRiT Bronze level. When this level can not be achieved, the District will

CECW-ET (1110)

Subject: Sustainable Design and Development (SDD)

inform MSC and HQUSACE in accordance with ETL 1110-3-491. To the extent possible, Districts are strongly encouraged to phase in SPiRiT into the ongoing design.

7. My Point of Contact for this action is Mr. Harry Goradia, CECW-ET, 202-761-7170.



STEVEN R. HAWKINS
Brigadier General, USA
Director of Military Programs

Encl

DISTRIBUTION:

Commander, Great Lakes and Ohio River Division
Commander, Mississippi Valley Division
Commander, North Atlantic Division
Commander, Northwestern Division
Commander, Pacific Ocean Division
Commander, South Atlantic Division
Commander, South Pacific Division
Commander, Southwestern Division
Commander, Huntsville Engineering and Support Center
Commander, Transatlantic Programs Center
Director, ERDC

CF:

Commander, Alaska District
Commander, Albuquerque District
Commander, Baltimore District
Commander, Buffalo District
Commander, Charleston District
Commander, Chicago District
Commander, Detroit District
Commander, Fort Worth District
Commander, Galveston District
Commander, Honolulu District
Commander, Huntington District
Commander, Jacksonville District
Commander, Kansas City District
Commander, Little Rock District

CECW-ET (1110)

Subject: Sustainable Design and Development (SDD)

Copy Furnished: Continued

Commander, Los Angeles District
Commander, Louisville District
Commander, Memphis District
Commander, Mobile District
Commander, Nashville District
Commander, New England District
Commander, New Orleans District
Commander, New York District
Commander, Norfolk District
Commander, Omaha District
Commander, Philadelphia District
Commander, Pittsburgh District
Commander, Portland District
Commander, Rock Island District
Commander, Sacramento District
Commander, St. Louis District
Commander, St. Paul District
Commander, San Francisco District
Commander, Savannah District
Commander, Seattle District
Commander, Tulsa District
Commander, Vicksburg District
Commander, Walla Walla District
Commander, Wilmington District



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT
600 ARMY PENTAGON
WASHINGTON DC 20310-0600



DAIM-FD

MAY 4 - 2001

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Sustainable Project Rating Tool (SPiRiT)

1. The Deputy Assistant Secretary of the Army (Installations & Housing) established the Army's policy of incorporating Sustainable Design and Development (SDD) principles into installation planning and infrastructure projects (Enclosure 1). The memorandum also directed the development of technical guidance to implement the Army's SDD policy.
2. Technical guidance has been developed by the OACSIM and USACE and is now ready for Army-wide implementation in the form of the Sustainable Project Rating Tool (SPiRiT). The SPiRiT (Enclosure 2) is a self-evaluation process that will help installations and designers quantify and measure the sustainability of infrastructure plans and projects. As of 1 June 01, Army activities will begin using SPiRiT to evaluate the sustainability of facility construction and repair projects.
3. The Army's Sustainable Project Rating Tool is an adaptation of the U. S. Green Building Council's Leadership in Energy and Environmental Design Building Rating System (LEED) used by industry. The SPiRiT includes additional rating factors appropriate to military projects and facilities. Projects are rated for sustainability in eight facility categories: Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, Facility Delivery Process, Current Mission, and Future Missions. Four SPiRiT levels can be achieved based on the rating points earned.

SPiRiT Bronze -- 25 to 34 Points

SPiRiT Silver -- 35 to 49 Points

SPiRiT Gold -- 50 to 74 Points

SPiRiT Platinum -- 75- Points

4. The initial Army goal is for all MACOM and installation projects to achieve a minimum SPiRiT Bronze sustainability rating. Most projects can reach a Bronze sustainability rating without increased costs, while still improving installation sustainability and balancing available resources with customer requirements. Understanding and applying the principles of Sustainable Design and Development and using the SPiRiT rating process to improve day to day decisions and infrastructure projects is a gradual process. With experience and use, higher SPiRiT levels can be achieved.



DAIM-FD

SUBJECT: Sustainable Project Rating Tool (SPiRiT)

5. HQ USACE will provide additional implementing instructions for using SPiRiT in the construction project design and execution process. Current plans are to designate several MILCON projects each year as SDD Showcase Projects. All activities are encouraged to designate their own SDD Showcase Projects and strive for higher SPiRiT levels of Gold or Platinum.
6. Over the past ten months, District Engineers and Installation DPWs have become familiar with the sustainable rating process through the USACE conducted SDD training workshops. Use of SPiRiT supports Army policy to adopt sustainable design and development and provides the technical guidance for measuring the sustainable characteristics of installation plans and infrastructure projects. For additional SDD-related and SPiRiT information see OACSIM and USACE web-sites at <http://www.hqda.army.mil/acsimweb/fd/linksSDD.htm> and <http://www.cecer.army.mil/sustdesign/>. Recommend you give this information broad distribution among your installations.
7. My POC on this action is Mr. John Scharl (DAIM-FDF, DSN 328-7614; CML 703-428-7614/e-mail john.scharl@hqda.army.mil).

2 Encls



R. L. VAN ANTWERP
Major General, U.S. Army
Assistant Chief of Staff
for Installation Management

DISTRIBUTION:

COMMANDER

US ARMY EUROPE AND SEVENTH ARMY, ATTN: AEAGX, AEAEN-EH, APO
AE 09014

US ARMY FORCES COMMAND, ATTN: FCCS, AFPI-EN, FORT MCPHERSON,
GA 30330-6000

US ARMY MATERIEL COMMAND, ATTN: AMCCS, AMCEN, ALEXANDRIA,
VA 22333-0001

US ARMY TRAINING AND DOCTRINE COMMAND, ATTN: ATCS, ATBO-G,
FORT MONROE, VA 23651-5000

US ARMY MILITARY DISTRICT OF WASHINGTON, ATTN: ANCS, ANEN, FORT
LESLEY J. MCNAIR, WASHINGTON, DC 20319-5050

US ARMY CORPS OF ENGINEERS, MILITARY PROGRAMS, ATTN: CECG, CELD-ZE,
CEMP, ISD, 441-G STREET, NW, WASHINGTON DC 20314-1000

ARMY MEDICAL COMMAND, ATTN: MCCG, HSCS, FORT SAM HOUSTON, TX
78234-6000

DAIM-FD

SUBJECT: Sustainable Project Rating Tool (SPiRiT)

DISTRIBUTION (CONT)

US ARMY PACIFIC, ATTN: APLG, APLG-PM, FORT SHAFTER, HI 96858-5100

EIGHTH US ARMY, ATTN: FKCS, EAEN, APO AP 96204-0078

US ARMY TEST & EVALUATION COMMAND, ATTN: CSTE, CSTE-ILE-EH, 4501 FORD
AVENUE, ALEXANDRIA, VA 22302-1458

US ARMY RESERVE COMMAND, ATTN: AFRCs, DAAR-EN, 3800 NORTH CAMP
CREEK PARKWAY, SW, ATLANTA, GA 30331-5099

US ARMY SOUTH, ATTN: SORM, SOCS, DCSRM, APO AA 34004-5000

US ARMY INTELLIGENCE & SECURITY COMMAND, ATTN: OACS, 8825 BEULAH
STREET, FORT BELVOIR, VA 22060-5246

US ARMY SPECIAL OPERATIONS COMMAND, ATTN: AOCS, AOEN, FORT BRAGG,
NC 28307-5212

US ARMY SPACE AND MISSILE DEFENSE COMMAND, ATTN: CSCS, CSMD-EN,
HUNTSVILLE, AL 35807-3801

US ARMY CRIMINAL INVESTIGATION COMMAND, ATTN: CFG-CX, CESP-EN,
ABERDEEN PROVING GROUND MD 22041-5015

MILITARY TRAFFIC MANAGEMENT COMMAND, ATTN: MTCS, MT-PAL, 5611
COLUMBIA PIKE, FALLS CHURCH, VA 22041-5050

SUPERINTENDENT

US MILITARY ACADEMY, ATTN: MACS, MAEN, WEST POINT NY 10996-1592

CHIEF

US ARMY NATIONAL GUARD, ATTN: NGB-CS, NGB-ARI, 111 S. GEORGE MASON DRIVE,
ARLINGTON, VA 22204

CF:

DEPUTY ASSISTANT SECRETARY OF THE ARMY (INSTALLATIONS & HOUSING),
OASA(I&E)

DIRECTOR

US ARMY CONSTRUCTION ENGINEERING RESEARCH LABORATORY,
CHAMPAIGN, IL 61820

US ARMY CORPS OF ENGINEERS, ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ATTN: CEHNC-DE, HUNTSVILLE, AL 35807-4301

DEFENSE LOGISTICS AGENCY, ATTN: MMBI, 8755 JOHN J. KINGMAN ROAD,
FORT BELVOIR, VA 22060

DAIM-FDC

DAIM-FDH

DAIM-CSO

DAIM-ED

DAIM-MD

DAIM-ZR

CFSC